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<!--StartFragment-->RESULT 18
US-10-302-689A-144489/c
; Sequence 144489, Application US/10302689A
; Publication No. US20080050393A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Asundi, Vinod
; APPLICANT: Ballinger, Dennis
; APPLICANT: Labat, Ivan
; APPLICANT: Leshkowitz, Dena
; APPLICANT: Liu, Jin
; APPLICANT: Loeb, Deborah
; APPLICANT: Montgomery, Julia, R.
; APPLICANT: Pace, Ann M.
; APPLICANT: Sheridan, James P.
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 502CIP
; CURRENT APPLICATION NUMBER: US/10/302,689A
; CURRENT FILING DATE: 2002-11-22
; PRIOR APPLICATION NUMBER: 10/273,573
; PRIOR FILING DATE: 2002-10-18
; PRIOR APPLICATION NUMBER: 10/084,643
; PRIOR FILING DATE: 2002-02-26
; PRIOR APPLICATION NUMBER: 09/989,660
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: 10/014,487
; PRIOR FILING DATE: 2001-11-08
; PRIOR APPLICATION NUMBER: 09/952,981
; PRIOR FILING DATE: 2001-09-14
; PRIOR APPLICATION NUMBER: 09/922,279
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: 09/905,059
; PRIOR FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: 09/898,888
; PRIOR FILING DATE: 2001-07-03
; PRIOR APPLICATION NUMBER: 09/919,002
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 09/770,160
; PRIOR FILING DATE: 2001-01-26
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 158931
; SOFTWARE: pt_SEQ_genes Version 1.0
; SEQ ID NO 144489
;   LENGTH: 6397
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-302-689A-144489

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Query Match          93.3%; Score 2866.6; DB 17; Length 6397;
Best Local Similarity 96.6%; Pred. No. 0;
Matches 3058; Conservative 0; Mismatches 14; Indels 93; Gaps 9;

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Qy      1  ATGTGCGCGCGGATGGCCGGTCGCACAACAGCGGCCCTCGGGGGCCCTACGGCCCTCGG 60
Db      5422 ATGTGCGCGCGGATGGCCGGTCGCACAACAGCGGCCCTCGGGGGCCCTACGGCCCTCGG 5363
          |||
Qy      61  CTCTGECTCCTTGGTGGCCCTCGCCCTGGACGTCGTGAGA----- 99
Db      5362 CTCTGCCTCCCTGGTGGCCCTCGCCCTGGACGTCGTGAGAGGATGGCCGCATCCTTGCCCT 5303
          |||
Qy      100 ----- 99
Db      5302 TCCAGAACCTTTGAGAGGATTCTGTCTACTGCGGGAAAGGCGACGAACCTTCCTGTGCTT 5243

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Qy	100	---GTGGACTGTGGCCAGGCTCCCTTGGACCTGTCTACCTGCCGGCAGCCCTGGAGCTC	156
Db	5242	CGGGTGGACTGTGGCCAGGCTCCCTTGGACCTGTCTACCTGCCGGCAGCCCTGGAGCTC	5183
Qy	157	CTAGACGCCCTTGAACACTTCCGTGTGCAGCAGGTGGGCCACTACCCACTGCCAACTCC	216
Db	5182	CTAGACGCCCTTGAACACTTCCGTGTGCAGCAGGTGGGCCACTACCCACTGCCAACTCC	5123
Qy	217	TCTCTGAGCTCCCGATCTGAGACCTTTCTGCTCTACAGCCCTGGCCAGGGCCAGCCA	276
Db	5122	TCTCTGAGCTCCCGATCTGAGACCTTTCTGCTCTACAGCCCTGGCCAGGGCCAGCCA	5063
Qy	277	CTTCTCCGGGCTCTTACCCACCTTTTGCCACTCAGCAGGTGGTCCCCCTCGAGTCACT	336
Db	5062	CTTCTCCGGGCTCTTACCCACCTTTTGCCACTCAGCAGGTGGTCCCCCTCGAGTCACT	5003
Qy	337	GAGCCCCACCAACGGCCAGTCCCATGGGACGTGCGGGCCGTTTCAGTGAAGCGGCTGTG	396
Db	5002	GAGCCCCACCAACGGCCAGTCCCATGGGACGTGCGGGCCGTTTCAGTGAAGCGGCTGTG	4943
Qy	397	ACTCCAGCAGAGCCCTACGCCCGGGTTCTTTCACCTCAAAGGGCAGGATTGCCACCA	456
Db	4942	ACTCCAGCAGAGCCCTACGCCCGGGTTCTTTCACCTCAAAGGGCAGGATTGCCACCA	4883
Qy	457	GGGTCTGGCAGCCTGCCCTGTGCCCGGCTCCATGCCACACACCTGCAGGCAGTCTCAC	516
Db	4882	GGGTCTGGCAGCCTGCCCTGTGCCCGGCTCCATGCCACACACCTGCAGGCAGTCTCAC	4823
Qy	517	CAAGCCTGCCGCTTCAGCCATCCCTGGGCGCCTGCGTGGTGAGACTGGAGCTTCCCTCG	576
Db	4822	CAAGCCTGCCGCTTCAGCCATCCCTGGGCGCCTGCGTGGTGAGACTGGAGCTTCCCTCG	4763
Qy	577	CACTGGTTCTCACAGGCTCCACCACACGGCCGAGCTGGCTACACGCTTGAGCCTGCA	636
Db	4762	CACTGGTTCTCACAGGCTCCACCACACGGCCGAGCTGGCTACACGCTTGAGCCTGCA	4703
Qy	637	GCTGAGGGCCCTGGGGGCTGTGGCTCCGGCAGGAGAGAACGACCTGGGGAGCAGGCCCTC	696
Db	4702	GCTGAGGGCCCTGGGGGCTGTGGCTCCGGCAGGAGAGAACGACCTGGGGAGCAGGCCCTC	4643
Qy	697	CCAGTGGGGGTGTGGAGCTGCGCCAGCAGACCCCCCAGTACCAGGAGTACCTCTG	756
Db	4642	CCAGTGGGGGTGTGGAGCTGCGCCAGCAGACCCCCCAGTACCAGGAGTACCTCTG	4583
Qy	757	GACGAGGCTGTGACTCTGCGGGTGCTGACATGCCAGTGCAGCCCGCCGAGCTCTTTAGT	816
Db	4582	GACGAGGCTGTGACTCTGCGGGTGCTGACATGCCAGTGCAGCCCGCCGAGCTCTTTAGT	4523
Qy	817	GCTACCCCTCTGCTTCGGCACAACCTTACAGCCAGCCTCCTGACCCTGCGGATCAAGGTG	876
Db	4522	GCTACCCCTCTGCTTCGGCACAACCTTACAGCCAGCCTCCTGACCCTGCGGATCAAGGTG	4463
Qy	877	AAGAAGGGGTGCATGTGACAGCCGCCGCCAGCCACGCCACACTCTGGACTGCCAAG	936
Db	4462	AAGAAGGGGTGCATGTGACAGCCGCCGCCAGCCACGCCACACTCTGGACTGCCAAG	4403
Qy	937	CTAGACCGCTTCAAGGGCTCCAGGCACACACCCCTCATCACTGCCACCGTCTGGG	996
Db	4402	CTGACCCGCTTCAAGGGCTCCAGGCACACACCCCTCATCACTGCCACCGTCTGGG	4343
Qy	997	CTCACAGAGCCAGATTCCAGCAGTCCCCTTGAACCTGTCTGAGTTCCATGGGTGGACTTT	1056
Db	4342	CTCACAGAGCCAGATTCCAGCAGTCCCCTTGAACCTGTCTGAGTTCCATGGGTGGACTTT	4283

Qy	1057	GTGGTGGAGAAATAGCACTGGTGGGGGCGTAGCGGTCACTCGCCCCGTACAGTGGCAGCTG	1116
Db	4282	GTGGTGGAGAAATAGCACTGGTGGGGGCGTAGCGGTCACTCGCCCCGTACAGTGGCAGCTG	4223
Qy	1117	GAGTACCCAGGCCAGGCCCTGAAGCAGAGAAGGACAAAAT--GGTGTGGGAAATCCTGGT	1175
Db	4222	GAGTACCCAGGCCAGGCCCTGAAGCAGAGAAGGACAAAATCGGTGTGGGAAATCCTGGT	4163
Qy	1176	GTCTGAGCGGGACATCAGAGCCCTTATCCCACTGGCCAAGGCTGAGGAGCTGGTGAATAC	1235
Db	4162	GTCTGAGCGGGACATCAGAGCCCTTATCCCACTGGCCAAGGCTGAGGAGCTGGTGAATAC	4103
Qy	1236	AGCACCCAC--TGACTGGAGTGGCCCGCAGCATGTCCCGTGGCCCTTGTGTC--ACTGTGGACGG	1292
Db	4102	AGCACCCACTTGACTGGAGTGGCCCGCAGCATGTCCCGTGGCCCTTGTGTCAGTGTGGAACGG	4043
Qy	1293	CGGGGGGGCCTTGGTGGAGGTGACAGAGCATGTGCGCTGCGAGTCTGCCAACACACAGGT	1352
Db	4042	CGGGGGGGCCTTGGTGGAGGTGACAGAGCATGTGCGCTGCGAATCTGCCAACACACAGGT	3983
Qy	1353	CCTGCAGGTGTC--TGAGGCCTGTGATGCCGTGTTCTGTGGCTGGCAAGGAGAGCCGGGGCG	1411
Db	3982	CCTGCAGGTGTTCTTGAGGCCTGTGATGCCGTGTTCTGTGGCTGGCAAGGAGAGCCGGGGCG	3923
Qy	1412	CCCGGGGGGTGCG--AGTGGACTTCTGGTGGC--GCCGGCTCCGCGCTCGCTGCGGCTGAC	1469
Db	3922	CCCGGGGGGTGCGAAGTGGACTTCTGGTGGCGGCGGCTCCGCGCTCGCTGCGGCTGAC	3863
Qy	1470	CGTGTGGGCCCCGCTGCTACCGCTGCGTATCGAGCTCACCGACACACCCCTCGAGCAGGT	1529
Db	3862	CGTGTGGGCCCCCTGCTACCGCTGCGTATCGAGCTCACCGACACACCCCTCGAGCAGGT	3803
Qy	1530	CCGCGGCTGGAGGGTACCTGGCCCTGCTGAAGGGCTGCGGAACCCGCTGCAGAGGCGTC	1589
Db	3802	CCGCGGCTGGAGGGTACCTGGCCCTGCTGAAGGGCTGCGGAACCCGCTGCAGAGGCGTC	3743
Qy	1590	AGATGAGGCCGAGCGCGCGCCGCTGGCTGCCACCTGCAGTACCAGCGGGCCGTTGTGCG	1649
Db	3742	GGATGAGGCCGAGCGCGCGCCGCTGGCTGCCACCTGCAGTACCAGCGGGCCGTTGTGCG	3683
Qy	1650	CTTCTCGCCCCCTTCGCGGCCACCCGCTGGACGGCGGCCGCCCTCACGCACCTGCT	1709
Db	3682	CTTCTCGCCCCCTTCGCGGCCACCCGCTGGACGGCGGCCGCCCTCACGCACCTGCT	3623
Qy	1710	TGGCCCCGACTGGCTGCTAGACGTGTCCCACTCGTGGCGCCACACGCCCGCTGCTGGA	1769
Db	3622	TGGCCCCGACTGGCTGCTAGACGTGTCCCACTCGTGGCGCCACACGCCCGCTGCTGGA	3563
Qy	1770	CTCGCGTGTAGCCTCTCTGAGGGTGGCCGTGTCTGTTGGGCGGGAGCCCGGTGTAC	1829
Db	3562	CTCGCGTGTAGCCTCTCTGAGGGTGGCCGTGTCTGTTGGGCGGGAGCCCGGTGTAC	3503
Qy	1830	CTCCATTGAGGTGCGTTCCCACTGTCTGACTCCATCTGGGGAGCAGGCGCTGGCTGT	1889
Db	3502	CTCCATTGAGGTGCGTTCCCACTGTCTGACTCCATCTGGGGAGCAGGCGCTGGCTGT	3443
Qy	1890	GACGGACGACAAGGTCTCAGTGTGGAGCTGAGGGTGCAGCCAGTGATGGGC--ATCTCGC	1948
Db	3442	GACGGACGACAAGGTCTCAGTGTGGAGCTGAGGGTGCAGCCAGTGATGGGCATCTTGC	3383
Qy	1949	TGA--CCTTGAGCCGGGGCACTGCCACCCCGGGAGGTACAGCTACGTGCTGGGCACAG	2007
Db	3382	TGACCCCTTGAGCCGGGGCACTGCCACCCCGGGAGGTACAGCTACGTGCTGGGCACAG	3323

Qy	2008	TCAGCCCTTCCCGCCCCAAAGCAGGAGGTGGCCCTCTCCCTATGGCTGTCTTCTCTGAT	2067
Db	3322	TCAGCCCTTCCCGCCCCAAAGCAGGAGGTGGCCCTCTCCCTATGGCTGTCTTCTCTGAT	3263
Qy	2068	CACACTGTGGCCCCAGCTGAGCTTCTACGACCGCGTGACCTGGGAGCTGCCGTCTCAGCC	2127
Db	3262	CACACTGTGGCCCCAGCTGAGCTTCTACGACCGCGTGACCTGGGAGCTGTCCGTCTCAGCC	3203
Qy	2128	GAGGAGCCTGGTGCCATCTGCCAGCTGAGGAGCAGGGTGCCAGCTCGGGGTGGTGGTG	2187
Db	3202	GAGGAGCCTGGTGCCATCTGCCAGCTGAGGAGCAGGGTGCCAGCTCGGGGTGGTGGTG	3143
Qy	2188	AGTGGGGCAGGCGCCGAGGGGCTGCCGCTGCATGTGGCTCTGCACCCGCCGAGCCCTGC	2247
Db	3142	AGTGGGGCAGGCGCCGAGGGGCTGCCGCTGCATGTGGCTCTGCACCCGCCGAGCCCTGC	3083
Qy	2248	CGCCGGGGCGCCACCGTGTGCCTCTGGCCCTCTGGCACCGCCTGGCTGGGGTGCCCCCT	2307
Db	3082	CGCCGGGGCGCCACCGTGTGCCTCTGGCCCTCTGGCACCGCCTGGCTGGGGTGCCCCCT	3023
Qy	2308	GCCTCCACTCCAGCCCTGCTCTCCCATCCAGCCCTGCTTGGAGCCACACGACACAGAA	2367
Db	3022	GCCTCCACTCCAGCCCTGCTCTCCCATCCAGCCCTGCTTGGAGCCACACGACACAGAA	2963
Qy	2368	GCCACCATGGGTGGTAAACGGCAGGTGGCAGGCAGTGTGCGGGGCAACACAGGTGTGAGG	2427
Db	2962	GCCACCATGGGTGGTAAACGGCAGGTGGCAGGCAGTGTGCGGGGCAACACAGGTGTGAGG	2903
Qy	2428	GGCAAGTTTGAAGCGGGCAGAGGAGGAGGCCAGGAAGGAGGAGACCGAAGCCAGGGAGGAG	2487
Db	2902	GGCAAGTTTGAAGCGGGCAGAGGAGGAGGCCAGGAAGGAGGAGACCGAAGCCAGGGAGGAG	2843
Qy	2488	GAGGAGGAAGAGGAGGAGGAGATGGTCCCTGCCCTCAGCATGTCTACTGAGCTAGAGCTG	2547
Db	2842	GAGGAGGAAGAGGAGGAGGAGATGGTCCCTGCCCTCAGCATGTCTACTGAGCTAGAGCTG	2783
Qy	2548	GGCATGTACGCCCTGTGGGAGTCTTCTGCGTGCCATCTTCATCTTCTTGGTCAATGGT	2607
Db	2782	GGCATGTACGCCCTGTGGGAGTCTTCTGCGTGCCATCTTCATCTTCTTGGTCAATGGT	2723
Qy	2608	GTGGTCTTCTGCTCTGCGCTATCAGCGCAAAGAACCTCCCGACAGTGCCACTGACCCACC	2667
Db	2722	GTGGTCTTCTGCTCTGCGCTATCAGCGCAAAGAACCTCCCGACAGTGCCACTGACCCACC	2663
Qy	2668	TCCCCCAGCCCCACAACCTGGGTCTGGCTGGGCACTGACCAGGAGGAACCTAGAGCCGCAG	2727
Db	2662	TCCCCCAGCCCCACAACCTGGGTCTGGCTGGGCACTGACCAGGAGGAACCTAGAGCCGCAG	2603
Qy	2728	CTGGACCGGCAGTCCCTGGCCGCCCAAGGGGAGGGAGCTGCCCTGTGAGAGTGGG	2787
Db	2602	CTGGACCGGCAGTCCCTGGCCGCCCAAGGGGAGGGAGCTGCCCTGTGAGAGTGGG	2543
Qy	2788	GGAGGAGGGGAGGCCCTACCTGGCCCTGGCCCTCTGGGGGACACCAGCTCTCTCA	2847
Db	2542	GGAGGAGGGGAGGCCCTACCTGGCCCTGGCCCTCTGGGGGACACCAGCTCTCTCA	2483
Qy	2848	AGCACCTTGGCCGAAAGGAGGCTGGGGGGCGGCGGAAGCAGTAGAGTTTGTGACATTT	2907
Db	2482	AGCACCTTGGCCGAAAGGAGGCTGGGGGGCGGCGGAAGCAGTAGAGTTTGTGACATTT	2423
Qy	2908	GTGCCAGCCCTCCAGCCAGTCACCTGAGGAGCCTGTAGGGGCCCTGCTGTGCAGTCC	2967
Db	2422	GCGCCAGCCCTCCAGCCAGTCACCTGAGGAGCCTGTAGGGGCCCTGCTGTGCAGTCC	2363

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Qy      2968 ATCCTTGTGGCAGGCGAGGAGGACATCCGCTGGGTGTGTGAGGACATGGGGCTGAAGGAC 3027
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Db      2362 ATCCTTGTGGCAGGCGAGGAGGACATCCGCTGGGTGTGTGAGGACATGGGGCTGAAGGAC 2303

Qy      3028 CCTGAGGAGCTTCGCAACTACATGGAGAGGATCCGGGGCAGCTCC 3072
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